

**SOLAR RADIO NOISE STORM AT 150.9 MHZ**  
**FROM NANÇAY RADIOHELIOGRAPH**

**JULY 2012**

DAY	HELIOGRAPHICS POSITIONS MEAN VALUES <sup>1</sup>		IMP <sup>2</sup>	OBSERVING TIME <sup>3</sup>	
	E-W	S-N		START( UT)	END(UT)
01/07/12	-0.49	-0.36	I	08H26 E	15H25 D
01/07/12	+0.04	+0.29	I	08H26 E	15H25 D
02/07/12	-0.17	-0.31	III	08H28 E	14H56 D
02/07/12	+0.10	+0.27	II	08H28 E	14H56 D
03/07/12	+0.39	+0.33	II	08H28 E	15H26 D
03/07/12	+0.58	-0.16	II	08H28 E	15H26 D
04/07/12	+0.04	-0.50	II	08H27 E	15H26 D
04/07/12	+0.39	+0.57	II	13h20	15H26 D
05/07/12	+0.75	+0.33	III	08H27 E	15H26 D
06/07/12	+1.19	+0.31	II	13H30	15H26 D
07/07/12	+1.24	-0.45	I	08H28 E	15H26 D
07/07/12	+1.34	+0.42	I	08H28 E	15H26 D
08/07/12	+1.54	+0.41	II	08H28 E	13H20
09/07/12	-0.98	-0.75	I	08H27 E	15H27 D
10/07/12	-0.89	-0.41	I	08H28 E	15H26 D
12/07/12	-0.25	-0.33	III	08H28 E	15H09 D
14/07/12	+0.28	-0.39	III	08H29 E	11H49 D
15/07/12	+0.52	-0.34	I	08H29 E	15H27 D
15/07/12	+1.12	-0.73	I	08H29 E	15H27 D
16/07/12	+0.89	-0.85	I	08H29 E	15H27 D
17/07/12	+1.06	-1.11	II	08H29 E	15H27 D
18/07/12	+0.79	-0.62	I	08H29 E	15H27 D
19/07/12	+0.87	-0.69	I	08H29 E	15H27 D

<sup>1</sup> POSITIVE E-W AND S-N COORDINATES CORRESPOND TO THE N-W QUADRANT

<sup>2</sup> IMP1: FLUX< 5 SFU IMP2: 5< FLUX < 20 SFU IMP3: 20< FLUX <100 SFU  
IMP4: 100< FLUX <300 SFU IMP5> 300 SFU

<sup>3</sup> E NOISE STORM IN PROGRESS AT THE BEGINNING OF THE NANÇAY OBSERVATIONS  
D NOISE STORM IN PROGRESS AT THE END OF THE NANÇAY OBSERVATIONS

23/07/12	+0.41	-0.48	I	11H13	15H27 D
24/07/12	-1.17	-0.46	I	08H29 E	15H28 D
27/07/12	-0.44	+0.09	I	08H29 E	15H27 D
30/07/12	-1.27	-0.07	II	10H19 E	15H28 D
30/07/12	-0.80	-0.63	I	10H19 E	15H28 D
31/07/12	-0.60	-0.66	I	08H29 E	15H28 D

**SOLAR RADIO NOISE STORM AT 327 MHZ  
FROM NANÇAY RADIOHELIOGRAPH  
JULY 2012**

DAY	HELIOGRAPHICS POSITIONS MEAN VALUES <sup>1</sup>		IMP <sup>2</sup>	OBSERVING TIME <sup>3</sup>	
	E-W	S-N		START( UT)	END(UT)
01/07/12	-0.38	-0.22	I	08H26 E	15H25 D
01/07/12	-0.02	+0.20	I	08H26 E	15H25 D
02/07/12	-0.14	-0.32	II	08H28 E	14H56 D
03/07/12	-0.07	-0.25	II	08H28 E	15H26 D
03/07/12	+0.29	+0.18	I	08H28 E	15H26 D
04/07/12	+0.07	-0.44	I	08H27 E	15H26 D
04/07/12	+0.55	+0.14	I	08H27 E	15H26 D
04/07/12	+0.58	-0.40	I	08H27 E	15H26 D
05/07/12	+0.73	+0.22	III	08H27 E	15H26 D
06/07/12	+0.74	-0.14	I	08H28 E	15H26 D
06/07/12	+0.85	-0.62	I	08H28 E	15H26 D
06/07/12	+1.06	+0.27	I	13H30	15H26 D
07/07/12	+1.16	+0.48	I	08H28 E	12H40
09/07/12	-0.89	-0.64	I	08H27 E	15H27 D
09/07/12	+1.27	-0.31	I	08H27 E	11H44
11/07/12	-0.45	-0.22	I	08H28 E	15H26 D
11/07/12	-0.01	-0.57	I	08H28 E	15H26 D
12/07/12	-0.20	-0.25	II	08H28 E	15H09 D
12/07/12	+0.29	-0.60	I	08H28 E	15H09 D
14/07/12	+0.31	-0.33	I	08H29 E	11H49 D

14/07/12	+0.79	-0.58	I	08H29 E	11H49 D
15/07/12	+1.00	-0.53	I	08H29 E	15H27 D
16/07/12	+1.04	-0.54	II	08H29 E	15H27 D
17/07/12	+0.71	-0.77	I	08H29 E	15H27 D
17/07/12	+1.16	-0.43	II	08H29 E	15H27 D
18/07/12	+0.95	-0.71	I	08H29 E	15H27 D
19/07/12	+0.98	-0.62	I	08H29 E	15H28 D
20/07/12	-0.32	-0.63	I	08H29 E	15H27 D
21/07/12	-0.10	-0.57	I	08H29 E	15H28 D
22/07/12	-1.24	-0.12	I	08H29 E	15H27 D
22/07/12	+0.20	-0.56	I	08H29 E	15H27 D
23/07/12	-1.24	-0.24	I	08H29 E	15H27 D
23/07/12	+0.35	-0.51	I	11H06	15H27 D
24/07/12	-1.06	-0.29	I	08H29 E	15H28 D
25/07/12	+0.87	-0.25	I	08H29 E	15H11 D
26/07/12	-0.71	-0.29	I	08H29 E	15H28 D
27/07/12	-1.06	-0.60	I	08H29 E	15H27 D
30/07/12	-0.89	+0.47	I	10H19 E	15H28 D
30/07/12	-0.72	-0.60	I	10H19 D	15H28 D
31/07/12	-0.40	-0.69	I	12H03	15H28 D

13, 28, 29, July 2012 : NO DATA

### **OTHERS DAYS: NO DETECTABLE NOISE STORM**

- For the days marked by an asterisk, intense ionospheric gravity waves are observed during the whole day. Without a mode detailed analysis leading to increase uncertainties in the deviation, the positions which are indicated are estimated within 0.2 R

\*\* Following a large burst

\*\*\* importance not well determined due to the proximity off the very strong other source

\*\*\*\* no flux measurements available